
CONTACT	Luddy School of Informatics, Computing, and Engineering Indiana University Bloomington Indiana, United States	<i>E-mail:</i> jisunan@iu.edu <i>Phone:</i> +1-812-558-8586 <i>WWW:</i> http://jisun.me
INTERESTS	Developing AI-based methods and tools 1) to understand, predict, and nudge online human behavior; 2) to tackle a wide range of social problems, including media bias and framing, polarization, online hate, misinformation, healthy lifestyle, and urban changes; and 3) to mitigate potential harm from unreliable AI systems.	
PROFESSIONAL EXPERIENCE	Luddy School of Informatics, Computing and Engineering, Indiana University Bloomington (IUB) , Indiana, United States	
	Assistant Professor	January 2023 - Present
	School of Computing and Information Systems, Singapore Management University (SMU) , Singapore	
	Assistant Professor	October 2020 - December 2022
	Qatar Computing Research Institute, HBKU , Doha, Qatar	
	Scientist	October 2016 - September 2020
	Postdoctoral Researcher	May 2014 - September 2016
EDUCATION	University of Cambridge , Cambridge, UK	
	Ph.D. in Computer Science Advisor: Jon Crowcroft Dissertation: Multi-faceted Analysis of News Sharing in Social Networking Sites	February 2014
	Korea Advanced Institute of Science and Technology (KAIST) , Daejeon, Korea	
	M.S. in Computer Science	February 2009
	B.S. in Computer Science	February 2007
AWARDS	2021 Best Program Committee Member Award, 15th International AAAI Conference on Weblogs and Social Media (ICWSM 2021), Virtual	
	2019 Best paper award, Social Informatics 2019, Doha, Qatar	
	2018 HBKU Innovation Idea Development Grants, Doha, Qatar	
	2018–2021 Volkswagen Funding for Computational Social Sciences Research, Germany	
	2016 Qatar Science & Technology Park (QSTP) Accelerator program, Doha, Qatar	
	2016 Computational Social Sciences Networking Workshop (CSS 2016) Grant, Cologne, Germany	
	2012–2014 Google European Fellowship in Social Computing, Google	
	2011 5th International AAAI Conference on Weblogs and Social Media (ICWSM 2011) Travel grant, Barcelona, Spain	

- 2010–2012 Engineering and Physical Sciences Research Council (EPSRC) Scholarship, EPSRC, London, UK
- 2012–2014 Cambridge Trust Scholarship, University of Cambridge, Cambridge, UK
- 2007–2009 Brain Korea 21 Scholarship, Korea Advanced Institute of Science and Technology, Daejeon, South Korea

PUBLICATIONS

Journals

Kunihiro Miyazaki, Taichi Murayama, Takayuki Uchiba, **Jisun An**, Haewoon Kwak. Public perception of generative AI on Twitter: an empirical study based on occupation and usage . in the *EPJ Data Science*, 13(1), 2024.

Claire Seungeun Lee, Juan Merizalde, John D Colautti, **Jisun An**, and Haewoon Kwak. Storm the Capitol: Linking Offline Political Speech and Online Twitter Extra-Representational Participation on QAnon and the January 6 Insurrection. in the *Frontiers in Sociology*, 7, 2022.

Yelena Mejova, **Jisun An**, Gianmarco De Francisci Morales, and Haewoon Kwak, Modeling political activism around gun debate via social media. in the *ACM Transactions on Social Computing*, 2022.

Kholoud Khalil Aldous, **Jisun An**, and Bernard J. Jansen, What Really Matters?: Characterising and Predicting User Engagement of News Postings using Multiple Platforms, Sentiments and Topics. in the *Behaviour & Information Technology*, 1-24, 2022.

Kholoud Khalil Aldous, **Jisun An**, and Bernard J. Jansen, Measuring 9 Emotions of News Posts from 8 News Organizations across 4 Social Media Platforms for 8 Months. in the *ACM Transactions on Social Computing* 4(4), 1-31, 2022.

Jisun An, Haewoon Kwak, Hanya M. Qureshi, and Ingmar Weber, Precision Public Health Campaign: Delivering Persuasive Messages to Relevant Segments Through Targeted Advertisements on Social Media. in the *JMIR Formative Research* 5(9):e22313, 2021.

George Berry, Antonio Sirianni, Ingmar Weber, **Jisun An**, and Michael Macy, Estimating Homophily in Social Networks Using Dyadic Predictions. in the *Sociological Science* 8, 285-307, 2021.

Haewoon Kwak, **Jisun An**, Elise Jing, and Yong-Yeol Ahn, FrameAxis: characterizing microframe bias and intensity with word embedding. in the *PeerJ Computer Science* 7:e644, 2021.

Sathyanarayanan Doraiswamy, Sohaila Cheema, Patrick Maisonneuve, Amit Abraham, Ingmar Weber, **Jisun An**, Albert B. Lowenfels, and Ravinder Mamtani, Knowledge and Anxiety about COVID-19 in the State of Qatar, and the Middle East and North Africa Region—A Cross Sectional Study. in the *International Journal of Environmental Research and Public Health* 18(12), 6439, 2021.

Andreas Jungherr, Oliver Posegga, **Jisun An**, Populist Supporters on Reddit: A Comparison of Content and Behavioral Patterns Within Publics of Supporters of Donald Trump and Hillary Clinton. *Social Science Computer Review*, 2021.

Andreas Jungherr, Oliver Posegga, **Jisun An**, Discursive Power in Contemporary Media Systems: A Comparative Framework. in the *International Journal of Press/Politics*, 2019.

Arkaitz Zubiaga and Bahareh Heravi and **Jisun An**, Haewoon Kwak, Social media mining for journalism. in *Online Information Review*, 43(1), 2–6, 2019.

Jisun An, Haewoon Kwak, Soon-Gyo Jung, Joni Salminen, M Admad, Bernard J. Jansen, Customer segmentation using online platforms: isolating behavioral and demographic segments for persona creation via aggregated user data. in *Social Network Analysis and Mining*, 8(1), 54–64, 2018.

Jisun An, Haewoon Kwak, Soon-Gyo Jung, Joni Salminen, M Admad, Bernard J. Jansen, Imaginary People Representing Real Numbers: Generating Personas from Online Social Media Data. in *ACM Transactions on the Web*, 12(6), 1–26, 2016.

Soo-Yong Shin, Dong-Woo Seo, **Jisun An**, Haewoon Kwak, High correlation of Middle East respiratory syndrome spread with Google search and Twitter trends in Korea. in *Scientific Reports*, 6(32920) Nature, 2016.

Jisun An, Ingmar Weber, Whom Should We Sense in Social Sensing - Analyzing Which Users Work Best for Social Media Now-Casting. in the *EPJ Data Science*, 4(22), 1–21, 2015.

Jisun An, Daniele Quercia, Meeyoung Cha, Jon Crowcroft, Krishna Gummadi, Sharing Political News: The balancing act of intimacy and socialization in selective exposure. in the *EPJ Data Science*, 3(1), 1–21, 2014.

Jisun An, Yangwoo Ko, Dongman Lee, Interest-based Routing Protocol in Mobile Ad hoc Network. in the *Journal of Korean Institute of Information Scientists and Engineers: Computing Practices and Letters*, 14(8), 798–802, 2008.

Conferences

Sumin Han, Youngjun Park, Minji Lee, **Jisun An**, Dongman Lee. Enhancing Spatiotemporal Traffic Prediction through Urban Human Activity Analysis. in the *32nd ACM International Conference on Information and Knowledge Management*, (Birmingham, United Kingdom, 2023).

Rachith Aiyappa, **Jisun An**, Haewoon Kwak, Yong-Yeol Ahn. Can we trust the evaluation on ChatGPT?. in the *3rd Workshop on Trustworthy Natural Language Processing* (co-located with the Annual Conference of the Association for Computational Linguistics), (Toronto, Canada, 2023).

Shao Yi Liaw, Fan Huang, Fabricio Benevenuto, Haewoon Kwak, **Jisun An**. YouNICon: YouTube’s CommuNity of Conspiracy Videos. in the *17th International AAAI Conference on Web and Social Media*, (Cyprus, 2023).

Kunihiro Miyazaki, Takayuki Uchiba, Kenji Tanaka, **Jisun An**, Haewoon Kwak, and Kazutoshi Sasahara. “This is Fake News”: Characterizing the Spontaneous Debunking from Twitter Users to COVID-19 False Information. in the *17th International AAAI Conference on Web and Social Media*, (Cyprus, 2023).

Fan Huang, Haewoon Kwak, **Jisun An**, Is ChatGPT better than Human Annotators? Potential and Limitations of ChatGPT in Explaining Implicit Hate Speech. in the *2023 ACM Web Conference* (Short paper), (Austin, Texas, USA, 2023).

Fan Huang, Haewoon Kwak, **Jisun An**, Chain of Explanation: New Prompting Method to Generate Higher Quality Natural Language Explanation for Implicit Hate Speech. in the *2023 ACM Web Conference* (Short paper), (Austin, Texas, USA, 2023).

Hong Zhang, Haewoon Kwak, Wei Gao, **Jisun An**, Political Wearing Masks Implies Refuting Trump?: Towards Target-specific User Stance Prediction across Events in COVID-19 and US Election 2020. in the *15th International ACM Conference on Web Science*, (Co-located with The Web Conference, Austin, Texas, USA, 2023).

Kunihiro Miyazaki, Taichi Murayama, Akira Matsui, Masaru Nishikawa, Takayuki Uchiba, Haewoon Kwak, **Jisun An**, Political Honeymoon Effect on Social Media: Characterizing Social Media Reaction to the Changes of Prime Minister in Japan. in the *15th International ACM Conference on Web Science*, (Co-located with The Web Conference, Austin, Texas, USA, 2023).

Kunihiro Miyazaki, Takayuki Uchiba, Haewoon Kwak, **Jisun An**, Characterizing Spontaneous Ideation Contest on Social Media: Case Study on the Name Change of Facebook to Meta. in the *2022 IEEE International Conference on Big Data* (Short paper), (Osaka, Japan, 2022)

Haewoon Kwak, **Jisun An**, Kunwoo Park, Who is Missing? Characterizing the Participation of Different Demographic Groups in a Korean Nationwide Daily Conversation Corpus. in the *16th International AAAI Conference on Web and Social Media* (Short paper), (Virtual and Atlanta, Georgia, USA, 2022).

Jisun An, Haewoon Kwak, Claire Seungeun Lee, Bogang Jun, and Yong-Yeol Ahn, Predicting Anti-Asian Hateful Users on Twitter during COVID-19. in the *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing and the 11th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP) Findings*, (Virtual and Punta Cana, Dominican Republic, 2021).

Kunwoo Park, Haewoon Kwak, **Jisun An**, Sanjay Chawla, Understanding the effects of editing news headlines on social media engagement. in the *15th International AAAI Conference on Web and Social Media*, (Virtual conference, 2021).

Samuel S. Guimares, Julio C. S. Reis, Lucas Lima, Filipe N. Ribeiro, Marisa Vasconcelos, **Jisun An**, and Haewoon Kwak, Fabricio Benevenuto, Identifying and Characterizing Alternative News Media on Facebook. in the *2020 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*, (Virtual conference, 2020).

Haewoon Kwak, **Jisun An**, Yong-Yeol Ahn, A systematic media frame analysis of 1.5 million new york times articles from 2000 to 2017. in the *12th International ACM Conference on Web Science*, (Virtual conference, 2020).

Ramy Baly, Georgi Karadzhov, **Jisun An**, Haewoon Kwak, Yoan Dinkov, Ahmed Ali, James Glass, and Preslav Nakov, What was written vs. who read it: News media profiling using text analysis and social media context. in the *58th Annual Meeting of the Association for Computational Linguistics*, (Virtual conference, 2020).

Souman Ganguly, Juhi Kulshrestha, **Jisun An**, Haewoon Kwak, Empirical evaluation of three common assumptions in building political media bias datasets. in the *14th International AAAI Conference on Web and Social Media*, (Virtual conference, 2020).

Jisun An, Haewoon Kwak, Gender and Racial Diversity in Advertisements on Social Media. in the *11th International Conference on Social Informatics*, (Doha, Qatar, 2019).

Kholoud Aldous, **Jisun An**, Bernard Jansen, Predicting Audience Engagement Across Social Media Platforms in the News Domain. in the *11th International Conference on Social Informatics*, (Doha, Qatar, 2019).

Kholoud Aldous, **Jisun An**, Bernard Jansen, Stylistic Features Usage: Similarities and Differences Using Multiple Social Networks. in the *11th International Conference on Social Informatics*, (Doha, Qatar, 2019).

Yifan Zhang, Giovanni Da San Martino, Alberto Barrn-Cedeo, Salvatore Romeo, **Jisun An**, Haewoon Kwak, Todor Staykovski, Israa Jaradat, Georgi Karadzhov, Ramy Baly, Kareem Darwish, James Glass and Preslav Nakov, Tanbih: Get To Know What You Are Reading . in the *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language*

Processing (EMNLP-IJCNLP): System Demonstrations, (Hong Kong, China, 2019).

Kholoud Khalil Aldous, **Jisun An**, Bernard J. Jansen, View, Like, Comment, Post: Analyzing User Engagement by Topic at 4 Levels across 5 Social Media Platforms for 53 News Organizations. in the *13rd International AAAI Conference on Web and Social Media*, (Munich, Germany, 2019).

Jisun An, Haewoon Kwak, Oliver Posegga, Andreas Jungherr, Political Discussions in Homogeneous and Cross-Cutting Communication Spaces. in the *13rd International AAAI Conference on Web and Social Media*, (Munich, Germany, 2019).

Kholoud Khalil Aldous, **Jisun An**, Bernard J. Jansen, The Challenges of Creating Engaging Content: Results from a Focus Group Study of a Popular News Media Organization. in the *ACM CHI Conference on Human Factors in Computing Systems*, (Glasgow, UK, 2019).

Joni Salminen, Hind Almerkhi, Milica Milenkovic, Soon-Gyo Jung, **Jisun An**, Haewoon Kwak, Bernard J. Jansen, Anatomy of online hate: developing a taxonomy and machine learning models for identifying and classifying hate in online news media. in the *12th International AAAI Conference on Web and Social Media*, (Stanford, CA, USA, 2018).

Soon-Gyo Jung, **Jisun An**, Haewoon Kwak, Joni Salminen, Bernard J. Jansen, Assessing the accuracy of four popular face recognition tools for inferring gender, age, and race. in the *12th International AAAI Conference on Web and Social Media*, (Stanford, CA, USA, 2018).

Jisun An, Haewoon Kwak, Yong-Yeol Ahn, SemAxis: A Lightweight Framework to Characterize Domain-Specific Word Semantics Beyond Sentiment. in the *56th Annual Meeting of the Association for Computational Linguistics*, (Melbourne, Australia, 2018).

Jisun An, Ingmar Weber, Diversity in Online Advertising: A Case Study of 69 Brands on Social Media. in the *10th International Conference on Social Informatics*, (St. Petersburg, Russia, 2018).

Haewoon Kwak, **Jisun An**, Joni Salminen, Soon-Gyo Jung, Bernard J. Jansen, What We Read, What We Search: Media Attention and Public Attention Among 193 Countries. in the *26th International World Wide Web Conference*, (Lyon, France, 2018).

Joni Salminen, Lene Nielsen, Soon-Gyo Jung, **Jisun An**, Haewoon Kwak, Bernard J. Jansen, "Is More Better?": Impact of Multiple Photos on Perception of Persona Profiles. in the *ACM CHI Conference on Human Factors in Computing Systems*, (Montreal, Canada, 2018).

Joni Salminen, Haewoon Kwak, Joao M. Santos, Soon-Gyo Jung, **Jisun An**, Bernard J. Jansen, Persona Perception Scale: Developing and Validating an Instrument for Human-Like Representations of Data. in the *ACM CHI Conference on Human Factors in Computing Systems*, (Montreal, Canada, 2018).

Joni Salminen, Bernard J. Jansen, **Jisun An**, Soon-Gyo Jung, Lene Nielsen, Haewoon Kwak, Fixation and Confusion: Investigating Eye-tracking Participants' Exposure to Information in Personas. in the *International Conference on Human Information Interaction & Retrieval*, (New Brunswick, NJ, USA, 2018).

Jisun An, Haewoon Kwak, Multidimensional Analysis of the News Consumption of Different Demographic Groups on a Nationwide Scale. in the *9th International Conference on Social Informatics*, (Oxford, UK, 2017).

Jisun An, Hassan Aldarbesti, Haewoon Kwak, Convergence of Media Attention Across 129 Countries. in the *9th International Conference on Social Informatics*, (Oxford, UK,

2017).

Julio Reis, Haewoon Kwak, **Jisun An**, Johnnatan Messias, and Fabrcio Benevenuto, Demographics of News Sharing in Twitter . in the *28th ACM Conference on Hypertext and Social Media*, (Prague, Czech Republic, 2017).

Jisun An, Haewoon Kwak, Data-driven approach to measuring the level of press freedom using media attention diversity from unfiltered news. in the *11th International AAAI Conference on Web and Social Media*, (Montreal, Canada, 2017).

Jisun An, Haewoon Kwak, What Gets Media Attention and How Media Attention Evolves Over Time - Large-scale Empirical Evidence from 196 Countries. in the *11th International AAAI Conference on Web and Social Media*, (Montreal, Canada, 2017).

Soon-Gyo Jung, **Jisun An**, Haewoon Kwak, Moeed Ahmad, Lene Nielsen, and Bernard J. Jansen, Automatic Persona Generation from Aggregated Social Media Data. in the *ACM Conference on Human Factors in Computing Systems*, (Denver, CO, USA, 2017)

Jisun An, Haewoon Kwak, Bernard J. Jansen, Automatic Generation of Personas Using YouTube Social Media Data. in the *49th Hawaii International Conference on System Sciences*, (HI, USA, 2017)

Jisun An, Haewoon Kwak, Multidimensional Analysis of Gender and Age Differences in News Consumption. in *Computation + Journalism Symposium*, (Palo Alto, CA, USA, 2016)

Jisun An, Ingmar Weber, Trend Spotting and Demographics in Twitter. in the *2nd Annual International Conference on Computational Social Science*, (Evanston, IL, USA, 2016).

Jisun An, Ingmar Weber, #greysanatomy vs. #yankees: Demographics and Hashtag Use on Twitter. in the *10th International AAAI Conference on Web and Social Media*, (Cologne, Germany, 2016).

Jisun An, Haewoon Kwak, Yelena Mejova, Sonia Alonso Saenz De Oger, Braulio Gomez Fortes, Are you Charlie or Ahmed? Cultural pluralism in Charlie Hebdo response on Twitter. in the *10th International AAAI Conference on Web and Social Media*, (Cologne, Germany, 2016).

Sofiane Abbar, **Jisun An**, Haewoon Kwak, Yacine Messaoui, and Javier Borge-Holthoefer, Consumers and Suppliers: Attention asymmetries. A Case Study of Aljazeera's News Coverage and Comments. in the *Computation + Journalism Symposium*, (New York, USA, 2015).

Julio Reis, Fabrcio Benevenuto, Pedro Olmo, Raquel Prates, Haewoon Kwak, and **Jisun An**, Breaking the News: First Impressions Matter on Online News. in the *9th International AAAI Conference on Web and Social Media*, (Oxford, UK, 2015).

Haewoon Kwak, **Jisun An**, Understanding News Geography and Major Determinants of Global News Coverage of Disasters. in *Computation + Journalism Symposium*, (New York, USA, 2014).

Jisun An, Haewoon Kwak, A First Look at Global News Coverage of Disasters By Using the GDELT Dataset. in the *6th International Conference on Social Informatics*, (Barcelona, Spain, 2014).

Jisun An, Daniele Quercia, Jon Crowcroft, Partisan Sharing: Facebook Evidence and Societal Consequences. in the *2nd Conference on Online Social Networks*, (Dublin, Ireland, 2014).

Jisun An, Daniele Quercia, Jon Crowcroft, Recommending Investors for Crowdfunding Projects. in the *22nd International World Wide Web Conference*, (Seoul, South Korea, 2014).

Fabio Pezzoni, **Jisun An**, Andrea Passarella, Jon Crowcroft, Marco Conti, Why Do I Retweet It? An Information Propagation Model for Microblogs. in the *5th International Conference on Social Informatics*, (Tokyo, Japan, 2013).

Jisun An, Daniele Quercia, Jon Crowcroft, Fragmented social media: a look into selective exposure to political news. in the *22nd International World Wide Web Conference Companion Volume*, (Rio de Janeiro, Brazil, 2013).

Jisun An, Daniele Quercia, Meeyoung Cha, Krishna Gummadi, Jon Crowcroft, Traditional media seen from social media. in *ACM Web Science*, (Paris, France, 2013).

Jisun An, Daniele Quercia, Jon Crowcroft, Why individuals seek diverse opinions (or why they don't). in *ACM Web Science*, (Paris, France, 2013).

Jisun An, Meeyoung Cha, Krishna Gummadi, Jon Crowcroft, Media landscape in Twitter: A world of new conventions and political diversity. in the *5th International AAAI Conference on Weblogs and Social Media*, (Barcelona, Spain, 2011).

Jaesung Ku, **Jisun An**, Yangwoo Ko, Dongman Lee, A social transitivity based data dissemination scheme for opportunistic networks. in the *11th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks*, (Montreal, Canada, 2010).

Byoungheon Shin, Yangwoo Ko, **Jisun An**, Dongman Lee, Interference-Aware Routing Protocol in Multi-radio Wireless Mesh Networks. in the *4th International Conference on Future Internet Technologies*, (Seoul, South Korea, 2009).

Jisun An, Yangwoo Ko, Dongman Lee, A social relation aware routing protocol for mobile ad hoc networks. in the *7th Annual IEEE International Conference on Pervasive Computing and Communications*, (Tahiti, France, 2009).

Workshops

Jisun An, Haewoon Kwak, Data-driven Approach to Measuring the Level of Press Freedom Using Media Attention Diversity from Unfiltered News. in the *Second Workshop on NEws and publiC Opinion*, co-located with ICWSM'17, (Montreal, Canada, 2017).

Haewoon Kwak, **Jisun An**, Revealing the Hidden Patterns of News Photos: Analysis of Millions of News Photos through GDELT and Deep Learning-based Vision APIs. in the *First Workshop on NEws and publiC Opinion*, co-located with ICWSM'16, (Cologne, Germany, 2016).

Jisun An, Meeyoung Cha, Krishna Gummadi, Jon Crowcroft, Daniele Quercia, Visualizing the media landscape through Twitter. in the *first AAAI Workshop on potential of the Social Media Tools and Data for Journalists News Media Industry*, (Dublin, Ireland, 2012).

Jisun An, Meeyoung Cha, Krishna Gummadi, Jon Crowcroft, Twitter follow links reveal bicameral landscape of newspapers. in the *third Workshop on Complex Networks*, (Melbourne, Florida, USA, 2012).

PATENTS

Dongman Lee, Jaesung Ku, Yangwoo Ko, **Jisun An**, Method for data transmission, 10-2009-0125472 (2009-12-16), KAIST, South Korea

Dongman Lee, Yangwoo Ko, **Jisun An**, Byoungheon Shin, Interference aware and link quality based routing protocol, 10-2009-0126978 (2009-12-18), KAIST, South Korea

Dongman Lee, **Jisun An**, Yangwoo Ko, Method for constructing and maintaining a routing table based on user interest and method for sharing contents between mobile users, 12/457,662 (2009-06-18), KAIST, South Korea

RESEARCH
EXPERIENCE

Yahoo! Research, Barcelona, Spain

Research Intern August 2013 - October 2013

Project: Crowdfunding and social media. Developed statistical models to recommend investors found on Twitter for specific Kickstarter projects.

Palo Alto Research Center, Palo Alto, United States

Research Intern June 2012 - August 2012

Project: Visualizing big data. Designed and implemented a interactive data exploratory platform that supports data analysts to explore the big data with various data mining and visualization techniques.

Max Planck Institute for Software Systems, Saarbruecken, Germany

Research Intern June 2011 - October 2011

Project: Social promotion of news in Twitter. Analyzed pattern of news propagation in Twitter and investigated what factors make a social promotion of news successful.

Project: Measuring media bias using social structure. Developed an positioning algorithm based on the closeness measure in order to investigate political dichotomy of a set of news media sources and investigated.

Project: Media Explorer. Implemented a Twitter-based web application that visualizes a map of media landscape and a political dichotomy of news media sources.

KAIST, Daejeon, South Korea

Research Assistant January 2011 - March 2011

Project: Characterizing media landscape in Twitter. Investigated a news conventions and cultures taking place in Twitter regarding news consumption.

SUPERVISING
EXPERIENCE

Fan Huang, PhD candidate at Indiana University Bloomington, Indiana, United States

Supervisor January 2022 - Present

Shao Yi Liaw, Master at Singapore Management University, Singapore

Supervisor October 2021 - July 2022

Jucn Chen, Master at Singapore Management University, Singapore

Supervisor April 2021 - July 2022

Hong Zhang, Master at Singapore Management University, Singapore

Supervisor January 2021 - July 2022

Kholoud Adlous, PhD at Hamad Bin Khalifa University, Doha, Qatar

Co-supervisor March 2017 - May 2022

Soumen Ganguly, Master at Max Plank Institue Informatics, Germany

Co-supervisor March 2017 - May 2019

TEACHING
EXPERIENCE

Indiana University Bloomington, Indiana, United States

Instructor

January 2023 - Present

Subject on Performance Analytics

Singapore Management University, Singapore

Instructor

August 2021 - December 2022

Subject on Analytics Foundation

Singapore Management University, Singapore

Instructor

January 2021 - December 2022

Subject on Computational Social Science: Principles and Applications

University of Cambridge, Cambridge, UK

Teaching Assistant

November 2010

Subject on Principles of Communications

PROFESSIONAL
SERVICE

Mentoring

2021- Technical Mentor, Center for Computational Social Science, IIIT Hyderabad

Editorial services

2021- EPJ Data Science, Associate Editor

2019- Online Social Networks and Media (Science Citation Index Expanded journal),

2020 Editorial board member

Organizing Chair

2024 The 17th ACM International Conference on Web Search and Data Mining (WSDM 2024), Student Travel Award Chair, Mrida, Yucatn, Mexico

2024 The Web Conference 2024 (TheWeb (formerly known as WWW) 2024), Workshop Chair, Singapore

2022 The 2022 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2022), Program Chair, Morocco and Online

2022 16th International Conference on Web and Social Media (ICWSM 2022), Program Chair, Atlanta, Georgia, US and Online

2021 13th ACM Web Science Conference (WebSci 2021), PhD Symposium Chair, Southampton, UK

2021 15th International Conference on Web and Social Media (ICWSM 2021), Tutorial Chair, Virtual

2020 4th International Workshop on NEws and publiC Opinion (NECO 2020) co-located with ICWSM 2020, Atlanta, Georgia, USA

2019 11th International Conference on Social Informatics (SocInfo 2019), Web Chair, Doha, Qatar

2019 Workshop on Bias, Disinformation, Misinformation, and Propaganda in Online News and in Social Media, Co-organizer, Doha, Qatar

- 2018 3rd International Workshop on NEws and publiC Opinion (NECO 2018) co-located with ICWSM 2018, Stanford, CA, USA
- 2017 2nd International Workshop on NEws and publiC Opinion (NECO 2017) co-located with ICWSM 2017, Montreal, Canada
- 2016 1st International Workshop on NEws and publiC Opinion (NECO 2016) co-located with ICWSM 2016, Cologne, Germany

Program Committee Member

- 2024 Conference on Language Modeling (COLM 2024), Philadelphia, PA, USA
- 2024 Conference on Complex Systems 2024 (CCS 2024), Exeter, England
- 2024 10th International Conference on Computational Social Science (IC2S2 2024), Philadelphia, PA, USA
- 2024 18th International AAAI Conference on Weblogs and Social Media (ICWSM 2024), Buffalo, NY, USA, Senior Program Committee
- 2024 62th Annual Conference of the Association for Computational Linguistics (ACL 2024), Bangkok, Thailand
- 2024 NLP+CSS Workshop 2024, co-located with NAACL, Mexico City, Mexico
- 2024 2024 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2024), Mexico City, Mexico
- 2024 The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-Cooling 2024), Torino, Italia, Area Chair
- 2023 The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP 2023), Singapore
- 2023 61th Annual Conference of the Association for Computational Linguistics (ACL 2023), Toronto, Canada
- 2023 17th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2023), Dubrovnik, Croatia
- 2023 34th The Web Conference (TheWeb 2023), Austin, Texas, United States
- 2023 17th International AAAI Conference on Weblogs and Social Media (ICWSM 2023), Cyprus
- 2023 The 16th ACM International Conference on Web Search and Data Mining (WSDM 2023), Singapore
- 2022 The 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP 2022), Abu Dhabi
- 2022 60th Annual Conference of the Association for Computational Linguistics (ACL 2022), Dublin
- 2022 26th AAAI Conference on Artificial Intelligence (AAAI 2022), Senior Program Committee Member (SPC), Vancouver, BC, Canada

- 2022 33rd ACM Conference on Hypertext and Social Media (HT 2022), Barcelona, Spain
- 2022 33rd The Web Conference (TheWeb 2022), Virtual
- 2021 The 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP 2021), Virtual
- 2021 32nd ACM Conference on Hypertext and Social Media (HT 2021), Virtual
- 2021 32nd The Web Conference (TheWeb 2021), Virtual
- 2021 59th Annual Conference of the Association for Computational Linguistics (ACL 2021), Virtual
- 2021 15th International AAAI Conference on Weblogs and Social Media (ICWSM 2021), Virtual
- 2020 12th International Conference on Social Informatics (SocInfo 2020), Pisa, Italy
- 2020 6th International Conference on Computational Social Science (IC2S2 2020), Cambridge, MA, USA
- 2020 58th Annual Conference of the Association for Computational Linguistics (ACL 2020), Seattle, Washington, USA
- 2020 31st The Web Conference (WWW 2020), Taiwan
- 2020 14th International AAAI Conference on Weblogs and Social Media (ICWSM 2020), Atlanta, Georgia, USA
- 2019 3rd Workshop on Abusive Language Online (ALW 2019) co-located with ACL 2019, Florence, Italy
- 2019 3rd European Symposium on Societal Challenges in Computational Social Science (ESCSS 2019), Zurich, Switzerland
- 2019 International Workshop on Misinformation, Computational Fact-Checking and Credible Web (MisinfoWorkshop 2019) co-located with The Web Conference 2019, San Francisco, CA, USA
- 2019 30th The Web Conference (WWW 2019), San Francisco, CA, USA
- 2018 2nd European Symposium on Societal Challenges in Computational Social Science (ESCSS 2018), Cologne, Germany
- 2018 12th International AAAI Conference on Weblogs and Social Media (ICWSM 2018), Stanford, CA, USA
- 2018 27th International World Wide Web Conference (WWW 2018), Lyon, France
- 2017 1st European Symposium on Societal Challenges in Computational Social Science (ESCSS 2017), London, UK
- 2017 3rd International Conference on Computational Social Science (IC2S2 2017), Cologne, Germany
- 2017 28th ACM Conference on Hypertext and Social Media (HT 2017), Prague, Czech Republic

- 2017 11th International AAAI Conference on Weblogs and Social Media (ICWSM 2017), Montreal, Canada
- 2017 26th International World Wide Web Conference (WWW 2017), Perth, Australia
- 2017 4th Workshop on Social News On the Web (SNOW 2017) co-located with WWW 2017, Perth, Australia
- 2016 8th International Conference on Social Informatics (SocInfo 2016), Seattle, WA, USA
- 2016 39th International ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR 2016), Short paper track, Pisa, Italy
- 2016 25th International World Wide Web Conference (WWW 2016), Montreal, Canada
- 2016 10th International AAAI Conference on Weblogs and Social Media (ICWSM 2016), Cologne, Germany
- 2016 3rd Workshop on Social News On the Web (SNOW 2016) co-located with WWW 2016, Montreal, Canada
- 2015 9th International AAAI Conference on Weblogs and Social Media (ICWSM 2015), Oxford, UK
- 2015 24th International World Wide Web Conference (WWW 2015), Pisa, Italy
- 2015 26th ACM Conference on Hypertext and Social Media (HT2015), Northern part, Cyprus
- 2015 A Workshop on Computational Social Science at Crossroads: Lessons and Challenges (LC2S2 2015), Zaragoza, Spain
- 2014 6th International Conference on Social Informatics (SocInfo 2014), Barcelona, Spain
- 2014 2nd Workshop on Social News On the Web (SNOW 2014) co-located with WWW 2014, Seoul, South Korea
- 2014 1st Workshop on Connecting Online & Offline Life (COOL 2014) co-located with WWW 2014, Seoul, South Korea
- 2013 7th International AAAI Conference on Weblogs and Social Media (ICWSM 2013), Boston, USA
- 2012 6th International AAAI Conference on Weblogs and Social Media (ICWSM 2012), Dublin, Ireland

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- 2017 EPJ data Science Journal
- 2016 ACM Transactions on the Web
- 2016 International Journal of Communication
- 2016 19th ACM conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2016), San Francisco, CA, USA
- 2014 8th International AAAI Conference on Weblogs and Social Media (ICWSM 2014), Ann Arbor, MI, USA

- 2014 ACM International Conference on Interactive Experiences for Television and online Video (TVX 2014), Newcastle, UK
- 2013 1st ACM Conference on Online Social Networks (COSN 2013), Boston, USA.
- 2013 ACM Conference on Computer Human Interaction (CHI 2013), Paris, France

IN THE PRESS

Our paper “Storm the Capitol: Linking Offline Political Speech and Online Twitter Extra-Representational Participation on QAnon and the January 6 Insurrection” was featured on *PsyPost*, June 2022.

I have been featured on *Nature News*, titled “How Facebook, Twitter and other data troves are revolutionizing social science,” June 2020.

Our project “Tanbih news aggregator” was featured on *Forbes*, *MIT Technology Review*, *Wired*, *Engadget*, and many others, 2019.

My talk on “Opportunities and Limitations of Face Detection Technology in Computational Social Science” was featured on *The Peninsula Qatar*, April, 2018.

Our paper “Data-driven Approach to Measuring the Level of Press Freedom Using Media Attention Diversity from Unfiltered News” was featured on *the Best of the Physics arXiv in MIT Technology Review*, week ending April 15, 2017.

Our paper “Revealing the Hidden Patterns of News Photos: Analysis of Millions of News Photos Using GDELT and Deep Learning-based Vision APIs” was featured on *the Best of the Physics arXiv in MIT Technology Review*, week ending March 26, 2016.

Our paper “Breaking the News: First Impressions Matter on Online News” was featured on *MIT Technology Review* and *O Globo*, 2015.

Our paper “Understanding News Geography and Major Determinants of Global News Coverage of Disasters” was featured on *MIT Technology Review* and *ACM TechNews*, 2014.

Our paper “Recommending Investors for Crowdfunding Projects” was featured on *FastCompany*, 2013.

Our paper “Media landscape in Twitter: A world of new conventions and political diversity” was featured on *GigaOM* and *BusinessWeek*, 2011.

INVITED TALKS

Guest Lecture, “Tackling social challenges with data science and AI,” at the Web Intelligence (WI) at Universitat Pompeu Fabra (UPF), Barcelona, Spain, February 2023

Keynote Talk, “Tackling social challenges with data science and AI,” at the Summer Institute of Computational Social Science (SICSS), India, July 2022

Keynote Talk, “Tackling social challenges with data science and AI,” at the Summer Institute of Computational Social Science (SICSS), Singapore, June 2022

Panel Talk, “Meet the Data Scientists,” at AI+X forum, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea, December 2021

Presentation, “Computing for Social Good: Case studies in Advertising, Journalism, and Health,” at Women in Data Science, Doha, Qatar, April 2019

Presentation, “Precision Public Health: Targeted Social Media Advertising for Public Health Campaign in Qatar,” at Ministry of Public Health (MoPH), Doha, Qatar, April 2019

Presentation, “Targeted Social Media Advertising for Public Health Campaign,” at Fighting the Flu through Targeted Awareness Campaigns Expert Meeting, Berlin, Germany, January 2019

Keynote Presentation, “News for you is not for me: Data-driven studies on media and public attention and news consumption,” at Algorithmic Personalization and News Workshop, Stanford, CA, USA, June 2018

Presentation, “Opportunities and Limitations of Face Detection Technology in Computational Social Science,” at Machine Learning and Data Analytics Symposium (MLDAS), Doha, Qatar, March 2018

Presentation, “Research on Computational Journalism and Public Opinion,” at Data-Driven Communication Research Workshop, Shanghai, China, December 2016

Presentation, “CESHAT: A Tool for World-wide Risk and Brand Management,” at QSTP Demo Day, Doha, Qatar, May 2016

Presentation, “Consumers and Suppliers: Attention asymmetries. A Case Study of Aljazeera’s News Coverage and Comments,” at MediaTech Talks, Al Jazeera English, Doha, Qatar, January 2016

Presentation, “Beyond One-Tweet-One-Vote: Reweighting Twitter Samples to Match Offline Statistics,” at Korea Advanced Institute for Science and Technology, Daejeon, South Korea, February 2015

Presentation, “Recommending Investors for Crowdfunding Projects,” at King’s College London, London, UK, March 2014

Presentation, “Partisan Sharing: Facebook Evidence and Societal Consequences,” at Yahoo! Research Lab, London, UK, February 2014

Presentation, “Partisan Sharing: Facebook Evidence and Societal Consequences,” at Facebook, Menlo Park, CA, USA, November 2013

Presentation, “Partisan Sharing: Facebook Evidence and Societal Consequences,” at Microsoft Research, Seattle, WA, USA, November 2013

Presentation, “Media landscape in Twitter: A world of new conventions and political diversity,” at National Institute for Mathematical Sciences, Daejeon, South Korea, Aug 2011

Presentation, “Media landscape in Twitter: A world of new conventions and political diversity,” at MPI-SWS, Saarbruecken, Germany, Jul 2011